

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions of claims in the application:

Listing of Claims

1. (Currently amended): A pressure-sensing connector intended more particularly for an endoscopy system, comprising ~~a fluid communication path, a blind compartment that opens onto the communication path via a duct and is:~~

two fluid communication paths,

two blind compartments, each of said blind compartments opening onto one of the communication paths and being closed off by a respective membrane that deforms according to the pressure in the respective communication path, and

a means for transmitting a quantity quantities representative of the pressure in the communication path each of said communication paths according to the deformation of the respective membrane,

wherein each blind compartment opens onto its respective communication path via a respective duct,

wherein the communication path, the duct and the blind compartment the communication paths, the ducts and the blind compartments are formed in the same rigid part to which the membrane is membranes are attached, and

wherein said membranes move independently from one another so that the pressure in each blind compartment can be sensed independently.

2-3. (Canceled)

4. (Currently amended): The connector as claimed in ~~claim 2~~ claim 1, wherein the two blind compartments open onto the same communication path.

5. (Currently amended): The connector as claimed in claim 1, wherein ~~the~~ each membrane closes off both ~~the~~ said respective blind compartment and a respective pressure-transmitting chamber, connected to the rigid part, in order to convert the deformation of ~~the~~ each membrane into a pressure representative of the pressure in the respective communication path.

6. (Currently amended): The connector as claimed in claim 5, wherein the pressure-transmitting ~~chamber is~~ chambers are totally filled with air in order to convert the ~~deformation of~~ the membrane into an air pressure ~~deformations of the membranes into air pressures~~.

7. (Previously presented): The connector as claimed in claim 1, wherein the rigid part is provided with a polarizing feature.

8. (Previously presented): The connector as claimed in claim 1, wherein the rigid part is made of injection-molded plastic.

9-12. (Canceled)

13. (New): The connector as claimed in claim 1, wherein said communication paths are located on a same side of the connector so that they can be connected in a single operation to a coupling ring.